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Sub a1

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a group comprising polyvinyl alcohol (PVOH), ethylene vinyl alcohol (EVOH), low carbon polyethylene (LCP), or polytetrafluoroethylene (PTFE).

5 6. A permeation barrier fuel module cover assembly as set forth in claim 5 including a blade terminal connected to said cover.

10 7. A permeation barrier fuel module cover assembly as set forth in claim 6 wherein said blade terminal is molded into said cover.

15 8. A permeation barrier fuel module cover assembly as set forth in claim 6 wherein said blade terminal extends through said cover.

20 9. A permeation barrier fuel module cover assembly as set forth in claim 1 wherein said fuel permeation barrier layer has a thickness of approximately 0.2 millimeters to approximately 2.0 millimeters.

 10. A permeation barrier fuel module cover assembly as set forth in claim 1 including at least one fuel tube connected to said cover.

5 Sub a2 12. A permeation barrier fuel module cover
assembly for a fuel tank of a vehicle comprising:

a fuel permeation barrier layer attached to said
10 cover inside of said skirt to retard permeation of fuel
through said cover.

13. A permeation barrier fuel module cover assembly as set forth in claim 12 wherein said fuel permeation barrier layer has a thickness of approximately 0.2 millimeters to approximately 2.0 millimeters.

14. A permeation barrier fuel module cover assembly as set forth in claim 12 including at least one fuel tube connected to said cover.

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16. A permeation barrier fuel module cover assembly as set forth in claim 15 wherein said blade terminal is molded into said cover.

5 17. A permeation barrier fuel module cover assembly as set forth in claim 15 wherein said blade terminal extends through said cover.

10 18. A permeation barrier fuel module cover assembly as set forth in claim 12 wherein said fuel permeation barrier layer is made from a material of one of a group comprising polyvinyl alcohol (PVOH), ethylene vinyl alcohol (EVOH), low carbon polyethylene (LCP), or polytetrafluoroethylene (PTFE).

15 19. A permeation barrier fuel module cover assembly as set forth in claim 12 wherein said cover is made of a plastic material.

20 Sub a3 20. A permeation barrier fuel module cover assembly for a fuel tank of a vehicle comprising:

a cover having a base wall, a raised portion extending axially from said base wall, and a skirt extending axially from said base wall opposite said raised
25 portion; and

